DPAS EUREKA TRAINING MANUAL

I. The DPAS Eureka Training Manual is changed as follows: Remove pages listed below and insert revised pages.

Remove Old	Insert New
CHAPTER TWO	
27 thru 28	Same
51 thru 54	Same
CHAPTER THREE	
i thru ii	Same
67 thru 70	Same
85 thru 86	Same
91 thru 92	Same
101 thru 102	Same
107 thru 108	Same
113 thru 118	Same
CHAPTER FOUR	
165 thru 165	Same
CHAPTER FIVE	
179 thru 180	Same
REFERENCES	
201 thru 202	Same
213 thru 214	Same

II. SIGNIFICANT CHANGES

Revision represents minor corrections.

7.	In	Step 5	Selec	t Co	lumns	to Aggı	regat	e nan	ne 3	agg	rega	te fu	ınction	s you	can	perfo	orm.	
a.								C.	_									
b.																		
8.		hen wo	orking v	vith (QuickQ	uery, you	ı can	only v	vork	in o	ne b	usine	ess vie	w at	one t	:ime?	(Tru	e or
		True _		_		False _		_										

Discussion Questions:

- 1. Review the use of the Business Views and Folders.
- 2. Why is it important to use the filter function in some reports?
- 3. Discuss the different types of queries and what would be an example of how you would use them.

Practical Exercise: QuickQuery With The Query Wizard

Independent Student Report

Unit of Study: Building a QuickQuery With The Query Wizard

Application: This type of guery can be used when you need a simple report fast.

Report Type: Accounting report, filtered by UIC displaying serial number, stock number, fund code and dollar amount with sum and average.

Instructions:

1. Create a new report using the QuickQuery Wizard.

2. Select the following fields for your QuickQuery Wizard report:

BUSINESS VIEW: CATALOG								
FOLDER(S) DATA ELEMENT(S)								
Catalog	Stock Nbr Generic Nomen							
MfrModel/Part_Number	Mfr_Name Mfr Part Nbr							

3. Filter:

Column: Stock Nbr
Operator: Like
Value1: 70*

4. Sort: Stock Nbr

5. Click on **Entire Document**.

6. **Aggregate:** Stock Nbr using **Count**



HINT!

For your Filter: Remember to use the value of "**like**" because we are using the wildcard to look for Stock Numbers that begin with "**70**". Refer to the list of operators on page 19.

Building A Quick Filter In QuickQuery

Unit of Study: Creating Quick Filters in your QuickQuery Documents.

Application: Use this function when you want to reduce the amount of detail information on your

query.

Report Type: UIC total dollar amounts under each individual fund code.

Activity: Student Hands-On with Instructor direction

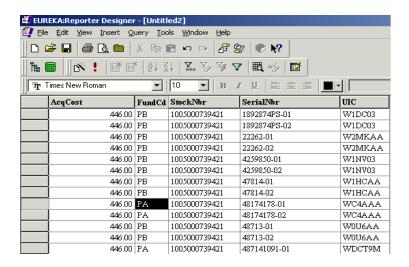
Instructions:

1. Open a new QuickQuery report without the wizard.

2. Depress the **F2 Function Key** if your object directory is not open.

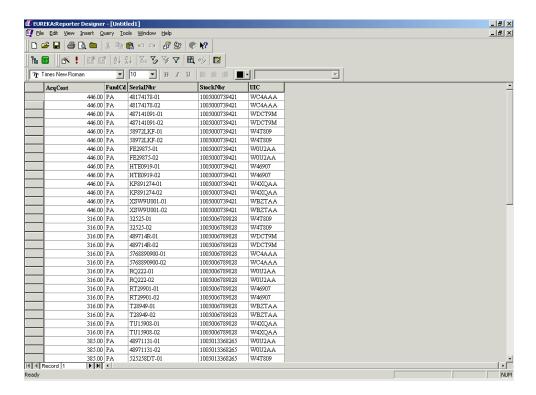
3. Select the following fields for your QuickQuery report:

BUSINESS VIEW: DEPRECIATION EXPENSE						
FOLDER	DATA	DATA ELEMENTS				
Catalog	Stock Nbr					
Serial_Hand_Receipt	Acq Cst Fund Cd	Serial Nbr UIC				

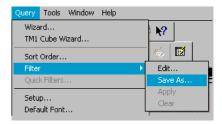


- 4. In the Fund Code Column, highlight one cell of Fund Code PA.
- 5. Click on (Apply Filter Icon). This will apply a filter to the current section. This action will automatically filter your report to show only the assets with the fund code of PA.

Example of the finished report:



6. At the menu bar, select **Query>Filter>Save As**.

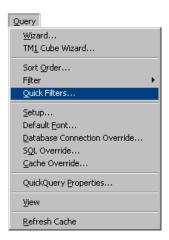


7. The Filter Name Screen will come up. Enter **Fund Code PA** in the window.



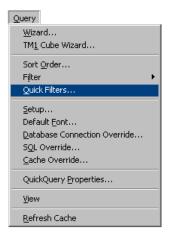
- 8. Click OK.
- 9. Click on (Clear Filter Icon). This action will clear your document of the Quick Filter.

10. At the menu bar select Query>Quick Filters...



This will bring up the Quick Filter Screen that will list your Quick Filter. From here you can select the listed filter and it will apply it to your document.

- 11. Highlight Fund Code 98.
- 12. Click **OK**. Your document is now filtered again by the fund code of 98.



- 13. Clear the filter by using the Clear Filter Icon.
- 14. Repeat the process for Fund Code PA (start at Step 4 through Step 8).
- 15. After filtering by PA, save your report as **QQFILTER**, we will be using it in the next exercise.

Building Translate Values Using QuickQuery

Unit of Study: Creating Translate Values within a Document.

Application: Value translations allow you to substitute one value for another.

You can use value translations to:

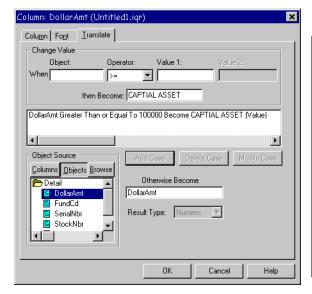
- Replace a technical term or code with a familiar term
- Draw attention to a significant value
- Add more information about certain values
- Express a numerical month as an alphabetic month

Report Type: Continuation of fund code report (QQFILTER) translating dollar amount.

Activity: Student Hands-On with Instructor direction

Instructions:

- 1. If closed, open **QQFILTER** report.
- 2. Double-click on the Dollar Amt column heading.
- 3. The Column Dollar Amt window will appear.
- 4. Select the **Iranslate** tab.
- 5. Double-click on the **Detail** folder in the Object Source.
- 6. Double-click on **Dollar Amt** to move it to the Object field.
- 7. Set the Operator to >= (greater than or equal to).
- 8. Enter **100000** in Value1.
- 9. Then Become: Enter "CAPITAL ASSET".
- 10. Click Add Case.
- 11. Otherwise Become: Enter "NON-CAPITAL".



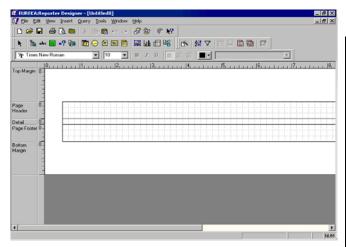
	Cases
Add Case	Activates your condition.
Delete Case	This will remove an existing condition. You will need to highlight the case first before you select this button.
Modify Case	This will allow you to make a change to an existing condition. You will need to highlight the case first before you select this button.

Chapter Three Table of Contents

	PAGE
Introduction To FreeForm	63
Getting Oriented With FreeForm	
Building A FreeForm With The Query Wizard	
Designing A Customized FreeForm Report Without The Query Wizard	
Page Header/Footer Areas	
Selecting Multiple Objects	
Adding Document File Name Objects	84
Changing Column Headings	
Changing Fonts	
Document Header/Footer Areas	91
Adding Text Objects	92
Adding Date Objects	
Adding Time Objects	
Adding Page Number Objects	
Adding Counter Objects	100
Activity: Designing A Customized FreeForm Report Without The Query Wizard	102
Skill Builder: Designing A Customized FreeForm Report Without The Query	
Wizard	104
Practical Exercise: Designing A Customized FreeForm Report Without The	100
Query Wizard Building A Sort Order In A Freeform Report	
Group Header/Footer Areas	
Building A Page Break In A Freeform Report	
Inserting A Filter In A Freeform Report	
Inserting A Prompt In A FreeForm Report	
Hiding An Object In A FreeForm Report	
Designing A FreeForm Report Using Double Detail Areas	
Using Translate Values In A FreeForm Report	
Using Output When In A FreeForm Report	
Skill Builder: Introduction To FreeForm And Designing A Customized FreeForm	
Report	137
Practical Exercise: Introduction to FreeForm And Designing A Customized	
Eroc Form Donort	120

FreeForm Windows

FreeForm windows give you access to all object types and object attributes that Eureka supports.

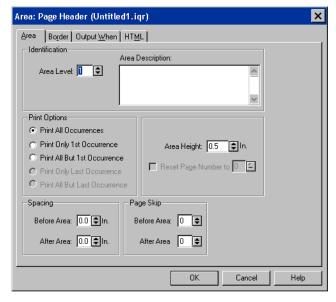


	FreeForm Window
Areas	These are defined as area objects that make up each Eureka document. Each area object serves as a container for output objects such as text objects, column objects, graphic objects, etc.
Object Alignment Grid	Eureka Reporter Designer provides a grid that is used to align your output objects.
Page Header Area	A page header is included at the top of each page. When you move an object (field) in this area Eureka outputs the value of that column, taken from the first row, on the page.
Detail Area	The output for a detail area is once for each database row included on your document.
Page Footer Area	A page footer is included at the bottom of each page. When you move an object (field) in this area, Eureka outputs the value of that column, taken from the last row, on the page.

Changing Area Attributes

By double-clicking an Area, you can change certain attributes.

- a. **Area Lavel:** Change this when you use the same area multiple times. This will designate the process order. For example, you may have two detail areas.
- Area Description: This is the description of the area. This description does not print on the report.
- c. **Print Options:** This is used in conjunction with multiple area levels. This will tell when certain rows to print.
- d. **Area Height:** This sets the area height of your report.
- e. Reset Page Number to: This will reset the page number after each page break, area, or group. For example, if your report breaks for each Hand Receipt Holder Number, it would reset the page back to whatever page number you specify.



- f. Spacing: If you want to leave space before or after an area object, enter the amount of space you want.
- g. **Page Skip:** Use these controls to have *Eureka* skip to the top of the next page before or after this area is output. A value of 1 causes output to skip to the next page. A value of 2 causes a blank page to be output. A value of 3 causes 2 blank pages to be output, etc.
- h. Click OK.

Object Directory

The Object Directory makes it easy to:

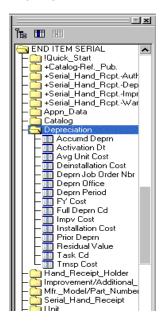
- □ Add columns to your documents and dialog boxes
- □ Add copies of existing objects to your document
- □ View database values for a column and insert them in dialog boxes

Eureka Reporter Designer includes an Object Directory in the FreeForm windows. You can open and close it by selecting **View>Object Directory (F2 Function Key)** from the menu bar. Many *Eureka* dialog boxes also have Object Directories built into them.

Object Directories let you select:

- Objects from your Metadata file (that is, column objects and custom objects that are defined in the Metadata file).
- Objects that are already in place on your design document.

Many Object Directories also let you browse database values for a column.



Business View. Business view names are at the top level of the tree and are indicated in **ALL CAPS**. A business view is an object in your Metadata File that corresponds to the data for a particular part of your business.

Folders. A folder can correspond to a table in your database or it can be made up of columns from more than one table. It can also include custom objects--objects that are calculated from database columns.

Data Objects. These are the actual data elements that are used to make up your report.

Object Directory Toolbar



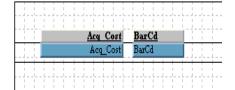
- **Columns**. This displays the Object Directory.
- **Document Objects.** This displays the data fields that you selected on your report.
- **Browse**. This browses your database for a selected data field (this is only accessible if a data object is selected).

Area Object List

The Area Object List (**F4 Function Key**) is a tool that allows you to view area objects that are shown in your current FreeForm window. The Area Object List is displayed above your Object Directory.

Data Object Placement

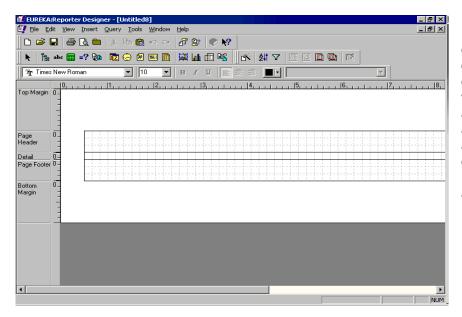






When dropping data objects on your report, column headings (the gray) will be placed in the page header area. Data objects (the turquoise), will be placed in the detail area. This is done by placing your mouse arrow on top of the data object in the object directory, holding down the left mouse button, dragging over to the grid area, and placing the tip of the arrow INSIDE the detail area. Let go of the mouse button. If the tip of the arrow is not inside the detail area, a column header will not be produced.

Detail Areas

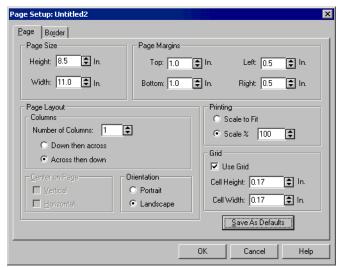


Placing data objects in the detail area will result in output once for each database row included on your document. If an aggregate function (sum, average, etc.) is applied to any of the columns in the detail area object, each row returned from the database is a summary row.

Page Setup

Setting up your page allows you to do several page options, including titles, page numbers, layout, margins, borders, headers and footers, background images, etc.

- a. Select File from the menu bar.
- b. Select **Page Setup** from the program group.
- c. Page Size: Allows you to adjust the size of your page. Your page size is defaulted to the current Windows settings, but you can change if needed.
- d. **Page Margins:** Your page margins are defaulted to the current Windows settings, but you can change if needed.
- e. **Page Layout:** Allows you to use multiple columns.
- f. **Center on Page:** Select how you want your output displayed on your page.
- g. **Orientation:** This will allow you set how you want your page to print.



Printing Group Box:

- h. **Scale to Fit:** Controls what happens when you print your document to paper with different dimensions than are specified for your document. When Scale to Fit is checked, Eureka scales the document to fit the page. It either enlarges or reduces all of the objects.
- i. **Scale:** Allows you to select an exact scaling percentage.



HINT!

If you plan to exchange documents between people with American and European printers, it is a good idea to turn on Scale to Fit.



- j. **Use Grid:** To assist in creating FreeForm documents with a neat appearance, you can specify that objects are to be placed on an alignment grid which appears only in the FreeForm window (and not in output).
- k. **Cell Height:** You can enter the vertical spacing for objects.
- I. **Cell Width:** Enter the horizontal spacing.



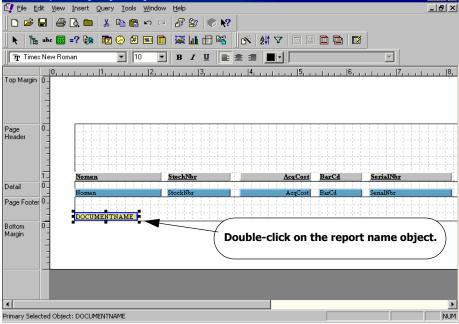
HINT!

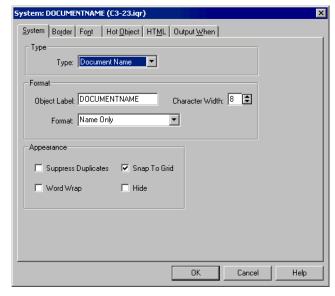
A good starting point for cell height and width is 20% greater than the size of the font you plan to use most. For instance, if you plan to use a 10-point font, enter 12 points as the grid setting.

- m. <u>Save As Defaults</u>: To have your changes from the Page tab apply to future documents as well as to the current document, select <u>Save As Defaults</u> after making your changes. To have your changes apply only to future documents, select <u>Cancel after</u> you select <u>Save As Defaults</u>.
- n. Click OK.

EUREKA:Reporter Designer - [Untitled5] 🚺 Eile Edit Yiew Insert Query Tools Window Help ▶ | ½ abc 📾 =? № | 12 00 # 10 | 12 W | 11 | 12 W | 12 W | 13 W | 14 V | 15 M

6. Double-click on the report name object.





7. Make any necessary changes.

Type: This displays the type of object.

Object Label: This determines the type of value

_ B ×

that is output for the object.

Character Width: Controls the length of the object for output purposes. Eureka always provides a default width. If you enter a number smaller than the width of the system object as formatted by *Eureka*, the output will be truncated.

Format: When you same your report, the file name will be displayed in the area where you placed the object.

- **Name Only** displays just the file name (for example, UICRPT).
- Name and Extension displays the entire file name including the extension (for example, UICRPT.igr).
- Full Path displays the entire path and file name including the extension (for example, C:/Program Files/Reports/UICRPT.iqr).



NOTE:

For the Character Width, truncation will also occur if the size of the object's output is larger than the object size. Factors that affect this include the typeface style and size, and the format applied to the object. You can avoid this truncation by selecting Word Wrap.

Appearance: Select the appearance option(s) for your report.

Appearance					
Suppress Duplicates Outputs the same object contents only one time. When there is more than one consecut row that has the same data for your object, Eureka suppresses output of duplicate value					
Word Wrap	If you want output that exceeds the object width to be printed on successive lines. The spacing between lines when objects wrap is based on the font you are using. When you select Word Wrap, be sure that there is enough room between the object you are defining and any objects directly below it in the same area to allow for multiple lines of text. Eureka does not add space under objects when they wrap.				
Snap To Grid	If you want your object always to be placed on the alignment grid (when Use Grid is turned on). When Snap to Grid is not selected, you can place your object at any location.				
Hide	If you want your object to be moved to a hidden area object. If you do so, your object will not be included in your output.				

8. Click OK.

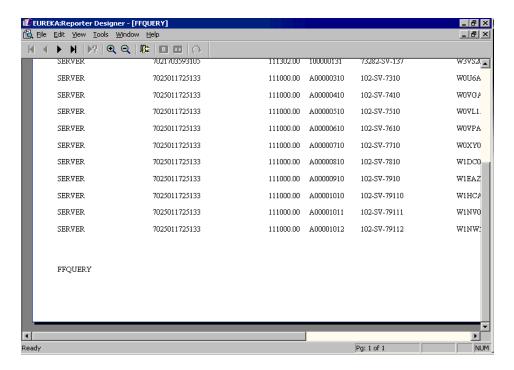


HINT!

Remember...you can change the characteristics of your report name object (such as font size, color, add borders, etc.).

9. Process your report.

Below is a sample of a finished FreeForm report displaying the document file name:



10. Save your report.

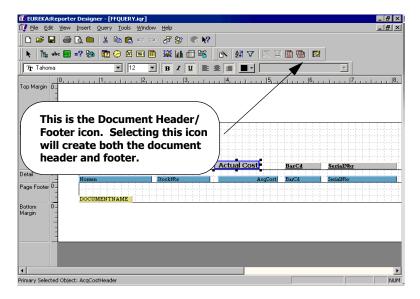
Document Header/Footer Areas

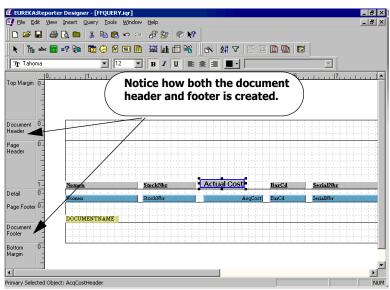
A Document Header/Footer area outputs for the entire document. Placing objects in these areas will result in output values for the document as a whole (i.e., average, sum, text, etc.). Document header outputs for the first page only. The document footer outputs for the last page only.

1. Click on the **Document Header/Footer** icon.

-OR-

- 2. Select **Insert** from the menu bar.
- 3. Select **Area** from the program group.
- 4. Select **Document Header** or **Document Footer** from the program list; this will allow you to insert either the document header or the document footer, depending on which area you selected.





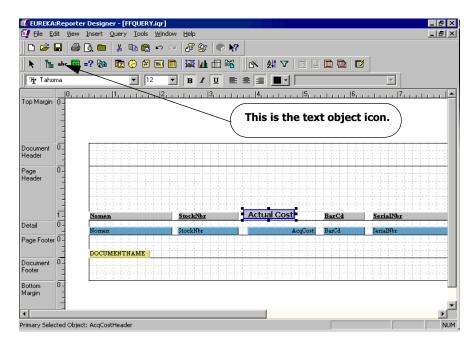
Adding Text Objects

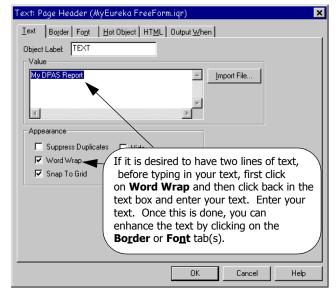
Use this process when you want to add your own text to your report. For example, use a text object to add titles, signature blocks, etc.

1. Click on the text icon.

-OR-

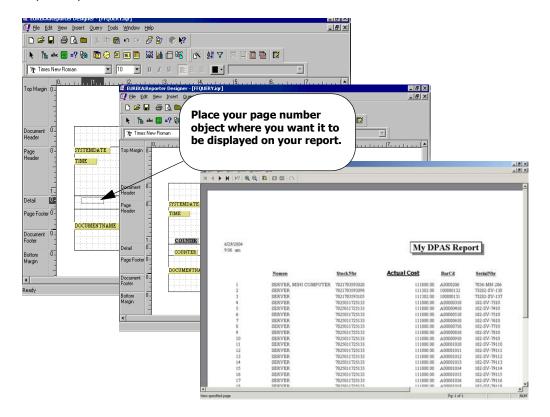
- 2. Select **Insert** from the menu bar.
- 3. Select **Text** from the program group.





- 1. Do not change the Object Label.
- 5. In the **Value** window, enter the desired title for your report.
- 6. Click OK.
- 7. Place the text object in the center of the Page Header area of your report.

8. Process your report.



- 9. Close the report viewer.
- 10. Save your report.
- 11. Close your report.



HINT!

If you place the counter object in the detail area, you may want to delete the column heading.

Activity: Designing A Customized FreeForm Report Without The Query Wizard

Student Hands-On With Instructor Direction

Unit of Study: Designing A Customized FreeForm Report

Application: In this activity, your instructor will guide you through building a listing of Hand Receipt Holders for a specified UIC using the FreeForm method of query and functions to customize your report.

Report Type: Hand Receipt Holder By UIC

Instructions:

- 1. Create a new FreeForm report.
- 2. Enlarge your Page Header.
- 3. Using the counter icon insert counter in the Detail area.
- 4. Delete the Counter column heading.
- 5. Select the following fields for your FreeForm report:

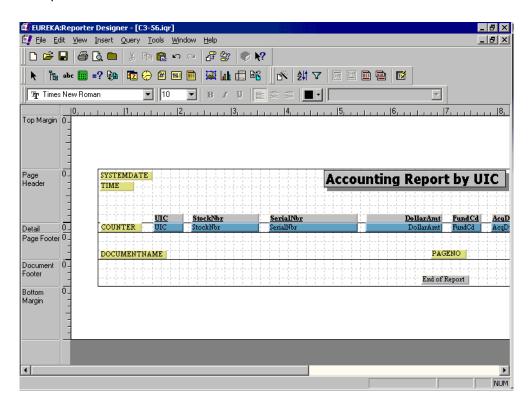
BUSINESS VIEW: HAND RECEIPT HOLDER						
FOLDER(S)	DATA ELEMENT(S)					
Hand Receipt Holder	HRH Nbr Mjr Office Name					
Unit	UIC					

- 6. Insert the date and time in the Page Header area.
- 7. Using the text box icon, give your document a title name and customize with fonts, etc., and place in the Page Header area.
- 8. Add a Document Footer area.
- 9. Add "End of Report" in the Document Footer.
- 10. Insert the document name, using the document name icon, in the Page Footer area.
- 11. Using the page number icon, insert a page number in the page footer.

102

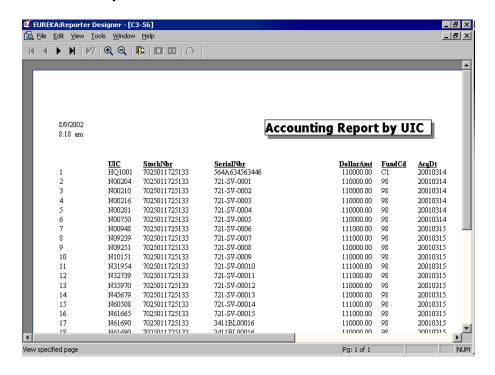
CH 2

12. Save the report as **FFPE1** for later use.



- 13. Print (if a printer is available) the report for the Instructor.
- 14. Close your report.

Example of the finished report:



Building A Sort Order In A FreeForm Report

Unit of Study: Building a sort order in a FreeForm report when you want to sort items in your report. *Eureka* Reporter Designer lets you sort your document or chart by any column or columns that you use in it. By default, sorts are ascending. If you wish to define a descending sort, you will have to select it by one of the methods you will learn in this course.

Application: This will show you how to sort in ascending or descending order, any field in your report.

Report Type: Asset listing by UIC and major hand receipt holder number.

Activity: Student Hands-On with Instructor direction

Instructions:

1. Create a new FreeForm report.

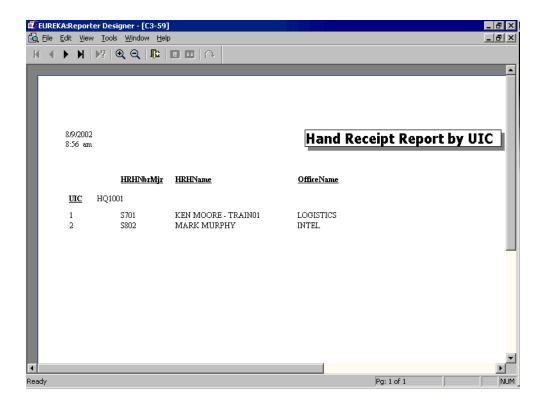
2. If your object directory is not open, depress the **F2 Function Key**.

3. Select the following fields for your FreeForm report:

BUSINESS VIEW: HISTORIES							
FOLDER(S) DATA ELEMENT(S)							
History	UIC HRH Nbr Mjr Stock Nbr	Serial Nbr Pgm Desc					

- 4. Process report for viewing.
- 5. Close the output window.
- 6. Click ♣↓
- 7. Highlight the **HRH Nbr Mjr** field.

13. **DO NOT** close the report – we will continue to use it in the next Unit of Study.



Building A Page Break In A FreeForm Report

Unit of Study: Often a single document consists of sections that need to have individual page numbers. For instance, a single document might consist of hundreds of (HRH) Hand Receipt Holder Reports, each to be distributed to a different HRH. When you do this, you would probably want to have:

- 1. Each HRH Report or UIC report starting at the top of a new page.
- 2. Each time a new UIC is reached, page numbering re-starting from one.

You can do this in a FreeForm window by including a group header area based on HRH Mjr. Nbr. For that area object, you would enter 1 under **Page Skip Before Area** on the Area tab of the Area dialog box. This causes one page break before the area is output. You would also check the **Reset Page Number To** box and then enter 1 as the number to which to reset the page numbering.

You can use these controls for a variety of purposes. For instance, if you want group footers on a page without any other area objects, you could enter 1 under both **Page Skip Before Area** and **Page Skip After Area**. If you wanted document totals on a separate page, you could enter 1 under **Page Skip Before Area** in the Area dialog box for the document footer area.

Application: This report will show you how to insert a page break every time a new UIC is encountered.

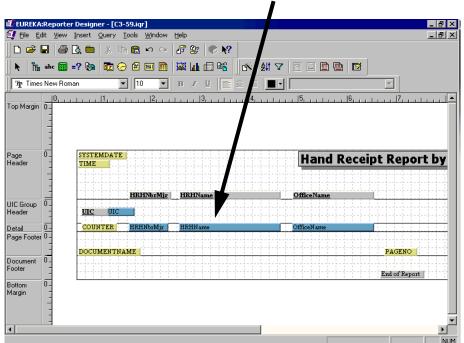
Report Type: Hand Receipt Holder by UIC (FFACTY)

Activity: Student Hands-On with Instructor direction

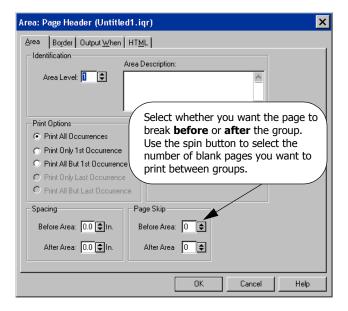
Instructions:

1. If closed, open the **FFACTY** report.

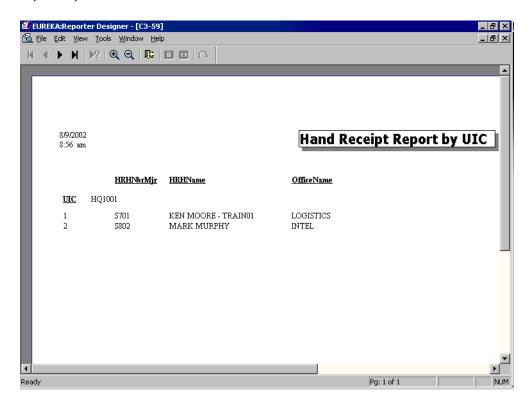
2. Double-click in the blank portion of the UIC Group Header area.



3. In the Page Skip group, change **Before Area** from 0 to 1.



- 4. Click OK.
- 5. Save your report.
- 6. Process your report to view the results.



7. Close your report.

Inserting A Filter In A FreeForm Report

Unit of Study: Each document always has a single **base** filter. This base filter is always in effect and initially has no conditions defined for it and performs no filtering. You can add conditions incrementally to narrow the focus of your query. Unless query filtering conditions are applied, *Eureka* presents all of the rows in the database as part of the output. If the database is large, however, such output can be difficult to present and understand. Filter conditions help to narrow down output so that it included only relevant database rows.

Application: Filtering conditions to narrow down output so that only relevant data base rows are presented in the document output.

Report Type: This report will list only computers that were manufactured by DELL and/or GATEWAY.

Activity: Student Hands-On with Instructor direction

Instructions:

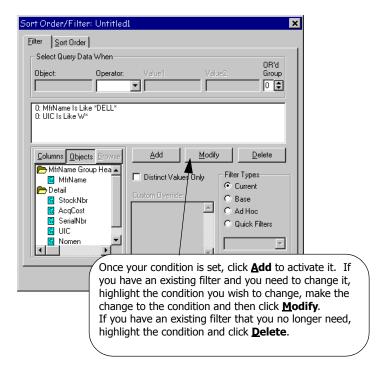
- 1. Open a new FreeForm report.
- 2. In Page Setup, make sure that the **Height** is set to **8.5** and the **Width** is set to **11**.
- 3. Enlarge the Page Header area an additional 3 blocks.
- 4. Select the following fields for your FreeForm report:

BUSINESS VIEW: END ITEM SERIAL					
FOLDER(S)	DATA ELEMENT(S)				
MfrModel/Part_Number	Mfr Name				
Catalog	Nomen				
	Stock Nbr				
Serial_Hand_Receipt	Acq Cost				
	Serial Nbr				
Unit	UIC				

- 5. Add a title for your report, date, and time for your report to the Page Header area.
- 6. Add the document name and the page number to the Page Footer area.
- 7. Add a Group Header for the **MfrName**.
- 8. Move the MfrName column heading and data object into the Group Header area.
- 9. Select the filter icon \(\nabla\) to display the filter dialog box.
- 10. Double-click on the **Detail** folder.
- 11. Double-click on **UIC** to move it to the Object Window.
- 12. Select the drop down arrow and chose "like" for the operator.
- 13. Enter **W*** for the value. Remember to turn your **Caps Lock** on.
- 14. Click Add.
- 15. Double-click on **MfrName** Group Header.
- 16. Double-click on **MfrName** to move it to the Object Window.
- 17. Select the drop down arrow and chose "like" for the operator.
- 18. Enter ***DELL*** for the value. Remember to turn your **Caps Lock** on.

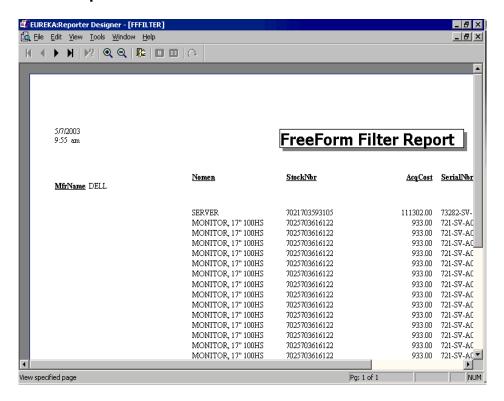
CH 2 116

19. Click Add.



- 20. Click OK.
- 21. Save your report as **FFFILTER**.
- 22. Process and view your report.

Example of finished report:



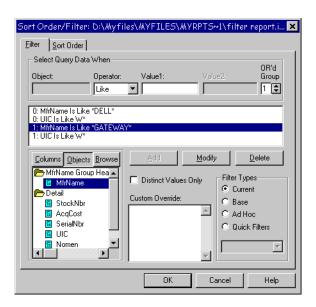
23. Close the output window.

Now, if we wanted to put another filter in to display information where the UIC began with **W** and the MfrName was **Gateway**, we would have to put in an **OR** condition.

- 24. Select the filter icon \Box to display the filter dialog box.
- 25. Double-click on **UIC**, from the Detail folder, to move it to the Object Window.
- 26. Select the drop down arrow and chose "like" for the operator.
- 27. Enter **W*** for the value. Remember to turn your **Caps Lock** on.
- 28. Change the **OR'd Group** from 0 to 1. This will set an **OR** condition.
- 29. Click Add.
- 30. Double-click on **MfrName**, from the MfrName Group Header, to move it to the Object Window.
- 31. Select the drop down arrow and chose "like" for the operator.
- 32. Enter *GATEWAY* for the value. Remember to turn your Caps Lock on.

The **OR'd Group** should already be set to 1 since we changed it in the previous condition.

33. Click Add.



34. Click **OK**.



NOTE:

By default, all the conditions of your query are **AND** operators (i.e., all conditions have to be met before it will return your results). However, you can connect your statements with **OR** operators, which divide your statements into groups. For example, if you wanted to set your conditions by **Stock Number <u>AND</u> Serial Number <u>OR</u> Bar Code**, the **OR'd Group** would be set to 0 (zero) for Stock Number and Serial Number, and set to 1 for Bar Code.

Remember, the RULE is... If the **OR'd Group** numbers on any two statements are the same, those two statements are connected by the **AND** condition. If the **OR'd Group** numbers on any two statements are different, those two statements are connected by the **OR** condition.

STEPS TO PERFORM ACTION (PARENT DOCUMENT)

- 1. Create a new FreeForm report.
- 2. If not the default, change the orientation to **Landscape**.
- 3. In the parent document, add the name of report and the date to the Page Header.



NOTE:

It is always good practice to end the file name of the parent report with "par" and end the child report file name with "ch". If you have more than one child report, you may want to have the file names with "ch1", "ch2", and so on.

- 4. Add the page number and the document name you will assign to the report to the Page Footer area.
- 5. Select the following fields for your Parent report from the table below. Make sure that you put them to the left side of your design document:

BUSINESS VIEW: END ITEM SERIAL							
FOLDER(S)	DATA ELEMENT(S)						
Catalog	Stock Nbr	Nomen					
Serial_Hand_Receipt-Auth	Serial Nbr	Acq Cost					
Hand_Receipt_Holder	HRH Nbr Mjr						

- 6. To limit the information to the HRH Nbr Mjr of choice, we will filter on the HRH Nbr Mjr.
- 7. Click on the Filter icon.
- 8. Open the Detail folder.
- 9. Double-click on HRH Nbr Mjr to move it to the Object field.
- 10. Set the Operator to "Like".
- 11. Enter **W*** (cap locks on) in Value1.
- 12. Click Add.
- 13. Click OK.
- 14. Save your report as **PC-CDO-Parent**.
- 15. Process your report.

Child Document

- 1. Create a new FreeForm report. If the parent report has been set to landscape, the child report must be set to landscape also. Otherwise, when you attach the Child to the Parent, it will not show up.
- 2. Select the following fields for your Child report from the table below. Make sure that the fields are placed approximately to the right of where the last field in parent was placed:

BUSINESS VIEW: DOCUMENT REGISTER		
FOLDER(S)	DATA ELEMENT(S)	
Doc_Nbr_HRH	Doc Nbr HRH Nbr Mjr Stock Nbr	

165

- 3. Add the file name you will assign to the report to the Page Footer area.
- 4. Save your report as **PC-CDO-Child**.
- 5. Process your report.

Child Prompts

To make sure the child document returns information for the same row that the parent is looking at, a prompt is placed in the child document. The prompt input comes from the parent for each row. Visualize the parent looking for a row for serial number 105. The parent gives the serial number to the child prompt and the child pulls information for that row at the same time the parent is looking at that row.

We will be using HRH Nbr Mjr and Stock Nbr for the prompts.

- 1. Click on the **Prompt** icon.
- 2. For the Object Label, enter **HRH Nbr Mjr Prompt**
- 3. For the Prompt message, enter "Enter HRH Nbr Mjr".
- 4. Change the Character width to **6**.
- 5. Click OK and place anywhere in the Page Footer area.
- 6. Right-click on the Prompt icon and **Hide Toggle**.
- 7. Click on the Prompt icon.
- 8. For the Object Label, enter "Stock Nbr Prompt".
- 9. For the Prompt Message, enter "Enter Stock Nbr".
- 10. Change the Character Width to 15".
- 11. Click OK and place anywhere in Page Footer area.
- 12. Right-click on the Prompt and **Hide Toggle**

Child Filters

Once a prompt has been established, we must tell the child report how to limit data to the one serial number the parent has provided to the child prompt for each row the parent report retrieves. **The child filter is used for this purpose.**

- 1. Click on the **Filter** icon.
- 2. If not open, click on the **Objects** tab and open the Detail and Hidden Page folders.
- 3. In the Detail folder, double-click on the **HRH Nbr Mjr** to move it to the Object field.
- 4. Set the Operator to = (equal).
- 5. In the Hidden Page Folder, double- click on **HRH Nbr Mjr Prompt** to move to Value1.
- 6. Click **Add**.
- 7. In the Detail folder, double-click on **Stock Nbr** to move it to the Object field.
- 8. Set the Operator to = (equal).

CH 2 166

19. In the Summary group, select **Sum**.

Chart Attributes		
Draw Grid	Select this check box to include grid lines in the output.	
Percentile Bar Chart	Select this check box to have calculations expressed as a percentage of the overall total. For pie charts, which are always percentile charts, this item is called "% of Total " Labels and controls whether labels are shown as totals or percentages.	
Display Labels	Select this check box if you wish to output labels along the axes of the chart. (Horizontal axis labels appear only when you use a Group By object.)	
Display Legend	Select to show an index of the colors/patterns corresponding to different Area Labels column values. (Only available when you use a Group By object.)	

20. Do not change Appearance.

Appearance		
Snap To Grid	This has been defined in Chapter 3.	
Hide	This has been defined in Chapter 3.	
Append Parent's Filter	This has been defined in Chapter 4, Parent/Child.	
	If you use the chart dialog box's Filter tab to define a filter, selecting this check box combines the two filters using an AND relationship – rows must meet both filters in order to be included in the chart.	
	Unless you tell it otherwise, <i>Eureka</i> includes all database rows. To have your chart include only those rows that are included in your document, make sure that the Append Parent's Filter option is selected.	
Native SQL Translate Value	This check box controls whether <i>Eureka</i> Reporter Designer	
	☐ Includes value translation requests as part of its query for chart information, or ☐ Performs value translations itself	
	By default, <i>Eureka</i> does not include value translation requests as part of its query. Check this box to have it do so. When this is done, sorting and grouping are based on the translated value (when your database manager or ODBC database driver supports the SQL syntax required to do this). If you want sorting and grouping based on the untranslated value, make sure this box is not checked.	

- 21. Select the **Filter** tab.
- 22. Click on the **Objects** tab.
- 23. Double-click on the **HRH Nbr Mjr** to add to the Object.
- 24. Set the Operator to **Between**.
- 25. Set Value1 to W1DC03.
- 26. Set Value2 to **W1NW54**.

27. Click **Add**.



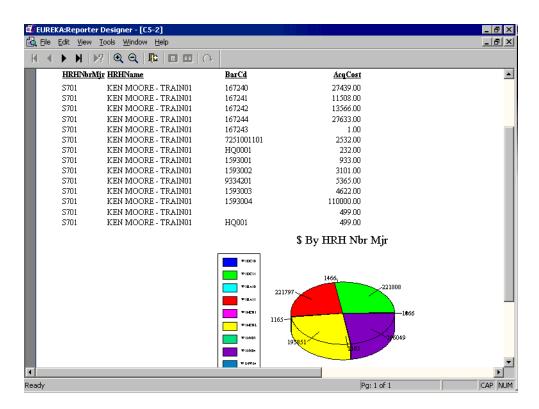
NOTE:

You can set a specific query filter to control which rows are included in the chart. To do this, select the Filter tab from the Chart dialog box.

The entries you make on this tab affect which rows are included in your chart. They do not affect when the chart is included in your document. To set the conditions that affect when the chart is included, select the Output When tab.

If you both select Append Parent's Filter and set up a query filter using the filter tab on the Chart dialog box, the two filters work together. Only rows satisfying both filters will appear.

- 28. Click OK.
- 29. Save your report.
- 30. Process your report.



31. Close your report.



Graphic Object. This is used to place a bitmap image on your report.



Chart Object. This is used to place a chart on your report. This includes Bar, Pie, and Scatter charts.



Crosstab Object. This is used to provide an entire crosstab document in/on your report.



Object Linking and Embedding (OLE) Object. This is used to embed objects that are created by another application to your report.



Child Document Object. This is used to connect a *Eureka* document (child) that you include as part of another *Eureka* document (parent or another child).

FreeForm Queries Toolbar





Wizard Icon. This is used to invoke the Wizard in FreeForm.



Sort Icon. This is used to sort the report by whatever data field is chosen by the user.



Filter Icon. This is used to apply search criteria to your report.



Group Header Icon. This is used to add a data Group Header Area at the **beginning** of your report. *This is not accessible until you select a column or custom object.*



Group Footer Icon. This is used to add a data Group Footer Area at the **end** of your report. This is not accessible until you select a column or custom object.



Page Header/Footer Icon. This is used to place data or text that will appear at the top or bottom of each page of your report.



Document Header/Footer Icon. This is used to place data or text that will appear on the **first** or **last** page of your report.

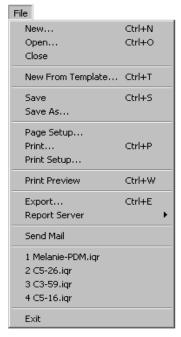


Update FreeForm Layout Icon. This rearranges all of your objects to form a neat, logical design after you have added columns to a FreeForm document by using a QuickQuery window.

Menu Items

Menu items are grouped by functions; the File menu is for tasks such as opening and closing files, savings files and printing files.

File Menu



- □ **New** Opens a new report
- □ **Open** Opens an existing report
- □ **Close** Closes the active report
- □ **New From Template** Opens a template as model for new document
 - **Save** Saves the active report
- □ Save As Saves the active report to a new name
- Page Setup Sets up the layout, margins, and point defaults
- **Page Border** Sets up the border parameters
- **Print** Prints using your Windows default dialog box
- Print Setup Sets up the print specification using the Windows dialog box
- □ Print Preview Generates all pages for the formatted report and gives the ability to view the document before it is printed
- **Export** Sends the report to a common separate file such as text, Excel, HTML
- □ Report Server Executes queries on a database server
- Send Mail emails the report to other users on the same mail server

Edit Menu

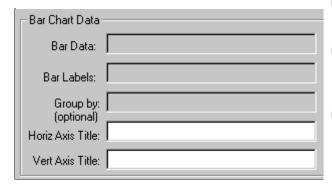
- **Undo** Reverses the last action
- □ **Redo** Reverses an undo
- □ Cut Removes a selected object
- □ Copy Copies a selected object to the clipboard
- Paste Places copied objects to the desired area
- Paste Link Places a linked OLE object by pasting a non-Eureka Reporter Designer object from the Clipboard
- **Delete** Removes the selected object
- □ Select All Toggle Selects all the objects for editing, or deselecting

- ☐ **Hide Toggle** Hides or reveals selected objects
- □ **Attributes** Selects the current objects format
- □ **Border** Displays border dialog box for the active window
- □ Font Displays the font dialog box for the selected object
- □ **Hot Object** Sets hot object attributes for selected objects
- □ **HTML** Sets HTML attributes for selected objects
- Output When Sets Output When attributes for selected objects
- ☐ **Translate Value** Invokes the translate value dialog for the active window
- □ **Prompt SQL** Edit the SQL query associated with a user prompt object
- □ Prompt Connection Changes the database connection for a selected user prompt object



Chart Types

Bar Chart



- □ Bar Data Place the object for which you want to summarize values in the Bar Data control. This object determines the height of the bars.
- □ Bar Labels Place the object for which you wish to see bars in the Bar Labels control. A different bar will be calculated for each value in this object.
- □ **Group By** In the Group By control, place the object you wish to group by, if any. *Eureka* creates a different group of bars for each value in this object. Each group includes one bar for each value in the Bar Label object. Each bar represents the calculated value for the Bar Data object for a single particular combination of Bar Label object value and Group By object value.

For instance, if the Bar Labels object is Class and the Group By object is Sport, there will be one group of bars for each sport. Each of the groups will have one bar for each different Class value. For two-dimensional charts, the groups are placed next to each other. For three-dimensional charts, the Group By object is used as the X-axis and the Bar Label object is used as the Z-axis. If there were no Group By object, there would be a single group of bars.

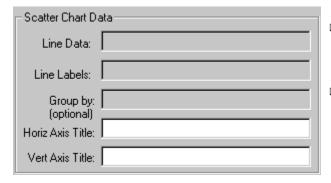
- □ **Horiz Axis Title** Enter a label to describe the Bar Labels object or the Bar Labels and Group By objects.
- □ **Vert Axis Title** Enter a label to describe the Bar Data object.

Pie Chart

- □ **Pie Slice Values** This is the object that controls the size of the pie slices.
- □ **Pie Slice Labels** There will be a slice calculated for each value in this object.

Pie Chart Data—	
Pie Slice Values:	
Pie Slice Labels:	

Scatter Chart

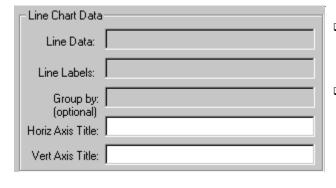


- □ **Line Data** Place the object for which you want to summarize values in the Line Data control. This object controls the point heights it is the Y-axis object.
- □ **Line Labels** In the Line Labels control, place the object for which you wish to calculate points. The object is the X-axis object unless you use a Group By object, in which case it becomes the Z-axis object. (Since scatter charts are two-dimensional, the Z-axis points are differentiated from each other by color.)
- □ **Group By** Add a Group By object if you want to chart three separate objects. *Eureka* creates a different set of points on the chart for each value in this object. This object is used as the X-axis object.
- □ **Horiz Axis Title** Enter a label to describe the Line Labels object or Line Labels and Group By objects.
- □ **Vert Axis Title** Enter a label to describe the Line Data object.

Area Chart

- □ **Area Data** Place the Y-axis object in the Area Data. This is the object for which areas are plotted (i.e., it is the object which you want to summarize).
- □ Area Labels Place the X-axis object in the Area Labels control. If you are using a Group By object, place the Zaxis object here. There will be an area calculated for each value in this object.
- □ **Group By** In the Group By control, place the object you wish to group by, if any. The Group By object is used as the X-axis object and the Area Labels object is used as the Z-axis object.
- □ **Horiz Axis Title** Enter a label to describe the Area Labels object or the Area Labels and Group By objects.
- □ **Vert Axis Title** Enter a label to describe the Area Data object.

Line Chart



- □ **Line Data** Place the object for which you want to summarize values in the Line Data control. This object controls the line height it is the Y-axis object.
- □ **Line Labels** In the Line Labels control, place the object for which you wish to calculate points along on the line(s). There will be a separate point plotted for each value in this object. This is the X-axis object unless you use a Group By object, in which case it becomes the Z-axis object.
- □ **Group By** When you place an object here, *Eureka* uses it as the X-axis object. (A separate line is drawn for each value in the Line Labels Object; it becomes the Z-axis object.) Each line has points plotted for each separate value in the Group By object.